

In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently amended) A polarizing eyeglass device adaptable for use with a first type and a third type of stereoscopic image display apparatus, the first type and the third type of stereoscopic image display apparatus comprising an image display screen having first areas and second areas in which pieces of image information corresponding to a parallax are displayed individually, a polarizing plate disposed in front of the image display screen, phase difference plates adhered to a front face of the polarizing plate at positions corresponding to the first areas of the image display screen for changing the polarization direction by 90° , and wherein the first type and the third type of display apparatus have a configuration wherein the first areas of the image display screen are intended for displaying pieces of image information intended for viewing with a left eye and the second areas of the image display screen are intended for displaying pieces of image information intended for viewing with a right eye, and wherein a polarization angle of the polarizing plate of the first type of display apparatus is orthogonal to a polarization angle of the polarizing plate of the third type of display apparatus, the polarizing eyeglass device adaptable for use to view an image displayed on the image display screen, the polarizing eyeglass device comprising:

polarized light separation means for separating polarized light, the polarized light separation means including a first viewing region to be used for viewing with one of the left eye and the right eye and a second viewing region to be used for viewing with the other one of the left eye and the right eye;

first polarization direction changing means adhered to a first face of the polarized light separation means in the first viewing region for changing the polarization direction by 90° ;

second polarization direction changing means adhered to a second face opposite to the first face of the polarized light separation means in the second viewing region for changing the polarization direction by 90° ;

wherein the polarizing eyeglass device is adaptable for use in a first arrangement with the first type of display apparatus, wherein the polarized light separation means has a polarization angle

orthogonal to the polarization angle of the polarizing plate of the first type of display apparatus, the first viewing region used for viewing with the left eye, the second viewing region used for viewing with the right eye, and the polarized light separation means disposed between the first type of display apparatus and the first polarization direction changing means; ~~and~~

wherein the polarizing eyeglass device is further adaptable for use in a second arrangement with the third type of display apparatus, wherein the polarization angle of the polarized light separation means is orthogonal to the polarization angle of the polarizing plate of the third type of display apparatus, the first viewing region used for viewing with the right eye, the second viewing region used for viewing with the left eye, and the polarized light separation means disposed between the third type of display apparatus and the second polarization direction changing means; and

whereby reversing the polarizing eyeglass device between the first and second arrangement and switching between the first and third type of display apparatus, respectively, preserves stereoscopic image viewing.

2. (Previously presented) The polarizing eyeglass device according to claim 1, further comprising a pair of transparent protective layers for covering the polarized light separation means and the first and second polarization direction changing means, the transparent protective layers having outside faces individually formed as flat faces thereon.

3. (Previously presented) The polarizing eyeglass device according to claim 1, further comprising a reversing mechanism for rearranging the polarizing eyeglass device between the first arrangement and the second arrangement.

4. (Canceled)

5. (Currently amended) A polarizing eyeglass device adaptable for use with a first type and a third type of stereoscopic image display apparatus, the first type and the third type of stereoscopic image display apparatus comprising an image display screen having first areas and second areas in which pieces of image information corresponding to a parallax are displayed individually, a

polarizing plate disposed in front of the image display screen, phase difference plates adhered to a front face of the polarizing plate at positions corresponding to the first areas of the image display screen for changing the polarization direction by 90° , and wherein the first type and the third type of display apparatus have a configuration wherein the first areas of the image display screen are intended for displaying pieces of image information intended for viewing with a left eye, and the second areas of the image display screen are intended for displaying pieces of image information intended for viewing with a right eye, and wherein a polarization angle of the polarizing plate of the first type of display apparatus is orthogonal to a polarization angle of the polarizing plate of the third type of display apparatus, the polarizing eyeglass device adaptable for use to view an image displayed on the image display screen, the polarizing eyeglass device comprising:

polarized light separation means for separating polarized light, the polarized light separation means including a first viewing region to be used for viewing with one of the left eye and the right eye and a second viewing region to be used for viewing with the other one of the left eye and the right eye;

first polarization direction changing means for changing the polarization direction by 90° , wherein the first polarization direction changing means is adhered to a first face of the polarized light separation means in the second viewing region;

second polarization direction changing means for changing the polarization direction by 90° , wherein the second polarization direction changing means is adhered to a second face opposite to the first face of the polarized light separation means in the second viewing region;

wherein the polarizing eyeglass device is adaptable for use in a first arrangement with the first type of display apparatus, wherein the polarized light separation means has a polarization angle orthogonal to the polarization angle of the polarizing plate of the first type of display apparatus, the first viewing region used for viewing with the left eye, the second viewing region used for viewing with the right eye, and the polarized light separation means disposed between the first type of display apparatus and the first polarization direction changing means; and

wherein the polarizing eyeglass device is further adaptable for use in a second arrangement with the third type of display apparatus, wherein the polarization angle of the light separation means is orthogonal to the polarization angle of the polarizing plate of the third display apparatus, the first

viewing region used for viewing with the left eye, the second viewing region used for viewing with the right eye, and the polarized light separation means disposed between the third type of display apparatus and the second polarization direction changing means; and

whereby reversing the polarizing eyeglass device between the first and second arrangement and switching between the first and third type of display apparatus, respectively, preserves stereoscopic image viewing.

6. (Previously presented) The polarizing eyeglass device according to claim 5, further comprising a pair of transparent protective layers for covering the polarized light separation means and the first and second polarization direction changing means, the transparent protective layers having outside faces individually formed as flat faces thereon.

7. (Previously presented) The polarizing eyeglass device according to claim 5, further comprising a reversing mechanism for rearranging the polarizing eyeglass device between the first arrangement and the second arrangement.

8. (Cancelled)

9. (Previously presented) The polarizing eyeglass device according to claim 5, wherein the first and second polarization direction changing means are formed integrally through a folded back portion.

10. (Currently amended) The polarizing eyeglass device according to claim 1, wherein the polarizing eyeglass device is further adaptable for use with a second type and a fourth type of stereoscopic image display apparatus, the second type and the fourth type of stereoscopic image display apparatus comprising an image display screen having first areas and second areas in which pieces of image information corresponding to a parallax are displayed individually, a polarizing plate disposed in front of the image display screen, phase difference plates adhered to a front face of the polarizing plate at positions corresponding to the first areas of the image display screen for

changing the polarization direction by 90° , and wherein the second type and the fourth type of display apparatus have a configuration wherein the first areas of the image display screen are intended for displaying pieces of image information intended for viewing with the right eye and the second areas of the image display screen are intended for displaying pieces of image information intended for viewing with the left eye, and wherein a polarization angle of the polarizing plate of the second type of display apparatus is orthogonal to a polarization angle of the polarizing plate of the fourth type of display apparatus, the polarizing eyeglass device adaptable for use to view an image displayed on the image display screen,

wherein the polarizing eyeglass device is further adaptable for use in a third arrangement with the second type of display apparatus, wherein the polarization angle of the polarized light separation means is orthogonal to the polarization angle of the polarizing plate of the second type of display apparatus, the first viewing region used for viewing with the right eye, the second viewing region used for viewing with the left eye, and the polarized light separation means disposed between the second type of display apparatus and the first polarization direction changing means; ~~and~~

wherein the polarizing eyeglass device is further adaptable for use in a fourth arrangement with the fourth type of display apparatus, wherein the polarization angle of the polarized light separation means is orthogonal to the polarization angle of the polarizing plate of the fourth type of display apparatus, the first viewing region used for viewing with the left eye, the second viewing region used for viewing with the right eye, and the polarized light separation means disposed between the fourth type of display apparatus and the second polarization direction changing means; and

whereby reversing the polarizing eyeglass device between the third and fourth arrangement and switching between the second and fourth type of display apparatus, respectively, preserves stereoscopic image viewing.

11. (Previously presented) The polarizing eyeglass device according to claim 10, further comprising a reversing mechanism for rearranging the polarizing eyeglass device between the third arrangement and the fourth arrangement.

12. (Currently amended) The polarizing eyeglass device according to claim 5, wherein the polarizing eyeglass device is further adaptable for use with a second type and a fourth type of stereoscopic image display apparatus, the second type and the fourth type of stereoscopic image display apparatus comprising an image display screen having first areas and second areas in which pieces of image information corresponding to a parallax are displayed individually, a polarizing plate disposed in front of the image display screen, phase difference plates adhered to a front face of the polarizing plate at positions corresponding to the first areas of the image display screen for changing the polarization direction by 90° , and wherein the second type and the fourth type of display apparatus have a configuration wherein the first areas of the image display screen are intended for displaying pieces of image information intended for viewing with the right eye and the second areas of the image display screen are intended for displaying pieces of image information intended for viewing with the left eye, and wherein a polarization angle of the polarizing plate of the second type of display apparatus is orthogonal to a polarization angle of the polarizing plate of the fourth type of display apparatus, the polarizing eyeglass device adaptable for use to view an image displayed on the image display screen,

wherein the polarizing eyeglass device is further adaptable for use in a third arrangement with the second type of display apparatus, wherein the polarization angle of the polarized light separation means is orthogonal to the polarization angle of the polarizing plate of the second type of display apparatus, the first viewing region used for viewing with the right eye, the second viewing region used for viewing with the left eye, and the polarized light separation means disposed between the second type of display apparatus and the first polarization direction changing means; ~~and~~

wherein the polarizing eyeglass device is further adaptable for use in a fourth arrangement with the third type of display apparatus, wherein the polarization angle of the light separation means is orthogonal to the polarization angle of the polarizing plate of the fourth display apparatus, the first viewing region used for viewing with the right eye, the second viewing region used for viewing with the left eye, and the polarized light separation means disposed between the fourth type of display apparatus and the second polarization direction changing means; and

whereby reversing the polarizing eyeglass device between the third and fourth arrangement and switching between the second and fourth type of display apparatus, respectively, preserves stereoscopic image viewing.

13. (Previously presented) The polarizing eyeglass device according to claim 12, further comprising a reversing mechanism for rearranging the polarizing eyeglass device between the third arrangement and the fourth arrangement.